

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant :	Robin R. Miles, et al.	Docket No. :	IL-10406B
Serial No. :		Art Unit :	
Filed :		Examiner	
For :	Impedance Measurements for Detecting Pathogens Attached to Antibodies		

## PRELIMINARY AMENDMENT

Commissioner for Patents  
Washington, D.C. 20231

Sir:

Kindly amend the above identified application, which is a division of Application S.N. 09/737,542, filed December 14, 2000, as follows:

In the Title:

Change the title to read -- Method for Detecting Pathogens Attached to Specific Antibodies --

In The Specification

Paragraph bridging pages 1 and 2 (page 1, line 16 to line 9 of page 2),  
amend to read as follows:

-- One typical method of detecting pathogens is to detect whether or not they attach to specific antibodies. The antibodies are typically fluorescently

labeled and this increase in fluorescence is detected optically. Multiple pathogen detection has been accomplished by immobilizing antibodies on a surface, and then introducing pathogens in a fluid to the surface. The pathogen binds to the surface and then are detected by optical means.

Recently, impedance measurements across adjacent electrodes has been utilized to detect the presence of trapped pathogens, and such an approach has been described and claimed in co-pending application Serial No. 09/738,927, filed December 13, 2000, entitled "Using Impedance Measurements For Detecting Pathogens Trapped In An Electric Field", assigned to the same assignee. --

Change page number "17" to read -- 16 --.

In The Claims:

Claims 10-21, cancel.

Remarks

The title has been changed. The specification has been amended reflecting the date of an application referenced on page 2, and page no. 16 was originally omitted, thus page 17 is being changed to 16. Claims 10-21 of the parent application have been cancelled in this application.

Examination of Claims 1-9 is requested:

Respectfully submitted,

Dated: 11-14-01



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Agent for Applicants  
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Enclosure:  
Attachment I

Attachment I  
S. N. \_\_\_\_\_  
Version with Markings to Show Changes Made

The title has been changed.

Claims 10-21 have been cancelled.

In The Specification:

Paragraph bridging pages 1 and 2 (page 1, line 16 to line 9, page 2), amend to read as follows:

One typical method of detecting pathogens is to detect whether or not they attach to specific antibodies. The antibodies are typically fluorescently labeled and this increases in fluorescence is detected optically. Multiple pathogen detection has been accomplished by immobilizing antibodies on a surface, and then introducing pathogens in a fluid to the surface. The pathogen binds to the surface and then are detected by optical means.

Recently, impedance measurements across adjacent electrodes has been utilized to detect the presence of trapped pathogens, and such an approach has been described and claimed in co-pending application Serial No. 09/738,927 [IL-10404], filed December 13, 2000, entitled "Using Impedance Measurements For Detecting Pathogens Trapped in An Electric Field", assigned to the same assignee.

Page "17" changed to read --16 --.